STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

April 4, 2006
Project No. 2029-2400-01

Ms Loni Adams
Sacramento Metropolitan
Air Quality Management District
777 12th Street, 3rd Floor
Sacramento, California 95814

Re: Notification of Proposed SVE Test
Kwik Serv
2400 Fruitridge Road
Sacramento, California

Dear Ms. Adams:

Stratus Environmental, Inc. (Stratus), on behalf of Mr. Bal Soin, has prepared this letter to notify Sacramento Metropolitan Air Quality Management District (SMAQMD) regarding a proposed one-day soil vapor extraction (SVE) test at the Kwik Serv facility (the site), located at 2400 Fruitridge Road, Sacramento, California (see Figure 1). The test is currently scheduled to be completed on April 5, 2006.

Stratus prepared and submitted a work plan (dated May 3, 2005) to the Sacramento County Environmental Management Department (SCEMD) proposing to conduct an SVE test to evaluate the technical feasibility of using SVE as a remedial alternative to mitigate the petroleum hydrocarbon impact to soil. The work plan was subsequently approved by SCEMD in a letter dated May 5, 2005. The objective of the test is to evaluate the concentrations of petroleum hydrocarbons in the soil vapors extracted from the subsurface, and to determine the radius of influence (ROI) of the extraction wells.

Stratus proposes to use a trailer mounted, CBA Equipment, LLC (CBA) 250 cubic feet per minute (cfm) thermal oxidizer. Petroleum hydrocarbon laden soil vapors will be extracted from existing vapor extraction wells VW-1, VW-2, and MW-4, for approximately 3 hours each using the 10-horsepower (hp) blower of the SVE system. The extracted soil vapors will be abated, using the thermal oxidizer, before being discharged to the atmosphere. A process flow diagram is presented in Figure 3. A 15-hp rated propane generator, or similar, will be used to energize the SVE system.

The CBA thermal oxidizer is rated at 99% destruction efficiency for benzene, and at 95 to 98% destruction efficiency for total petroleum hydrocarbons as gasoline (TPHG). Manufacturer's literature for the unit is presented in Appendix A. Stratus conducted a web research (www.yahoo.com) to identify any schools within a 1,000-foot radius of the site and none were identified within the search area.

The following parameters will be monitored during the test:

- Vapor extraction rate using an averaging pitot tube,
- Applied vacuum at the vapor extraction well using standard pressure gauges, and
- Photo-ionization detector (PID) measurements for organic vapors from the extraction well, influent and effluent.

One set of influent and effluent air samples will be collected from the thermal oxidizer immediately after system start-up to verify system destruction efficiency. These samples will be forwarded to a state certified analytical laboratory for chemical analysis on a 24-hour turnaround time. The soil vapor samples will be analyzed for TPHG using United States Environmental Protection Agency (USEPA) Method 8015B/DHS LUFT Manual, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds), methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA) using USEPA Method 8260B.

The analytical results of this set of air samples will be forwarded to SMAQMD via facsimile. Additional air samples will be collected during the test to evaluate system performance and to monitor petroleum hydrocarbon concentrations in soil vapors.

Upon completion of the test, and receipt of all analytical results, Stratus will prepare and submit a report that documents the extraction and emission rates of the system, along with its destruction efficiencies.

If you have any questions regarding this SVE test notification, please call Gowri Kowtha at (530) 676-6001.

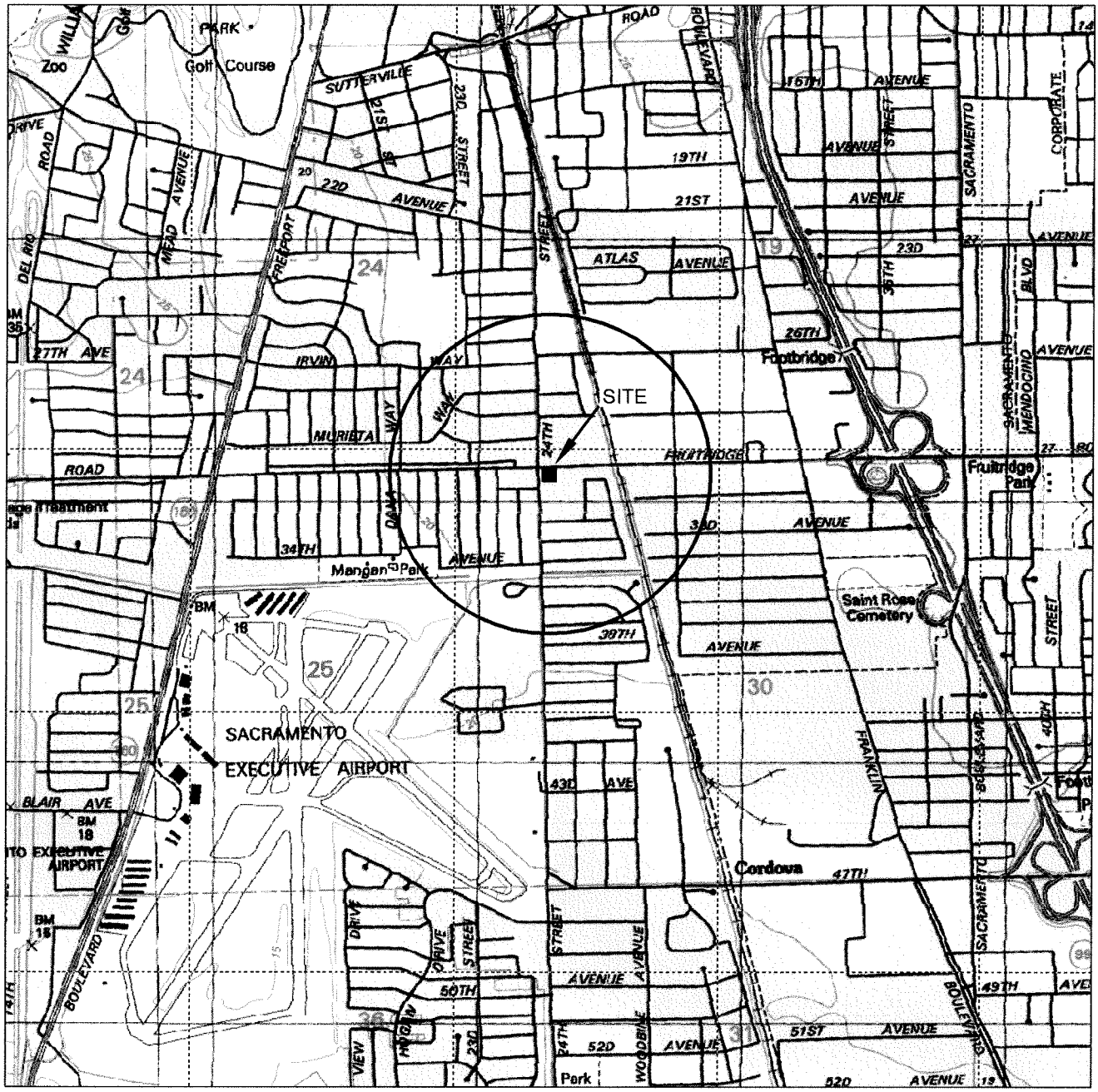
Sincerely,

STRATUS ENVIRONMENTAL, INC.

Gowri S. Kowtha, P.E.
Project Manager

Attachments	Figure 1	Site Location Map
	Figure 2	Site Plan
	Figure 3	Process Flow Diagram
	Appendix A	Manufacturer's Literature

cc: Mr. Bal Soin, Kwik Serv Fueling Station
Ms. Christyl Escarda, Central Valley Regional Water Quality Control Board
Mr. Barry Marcus, Sacramento County Environmental Management Department



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
SACRAMENTO, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

0 2000 FT

SCALE 1:24,000

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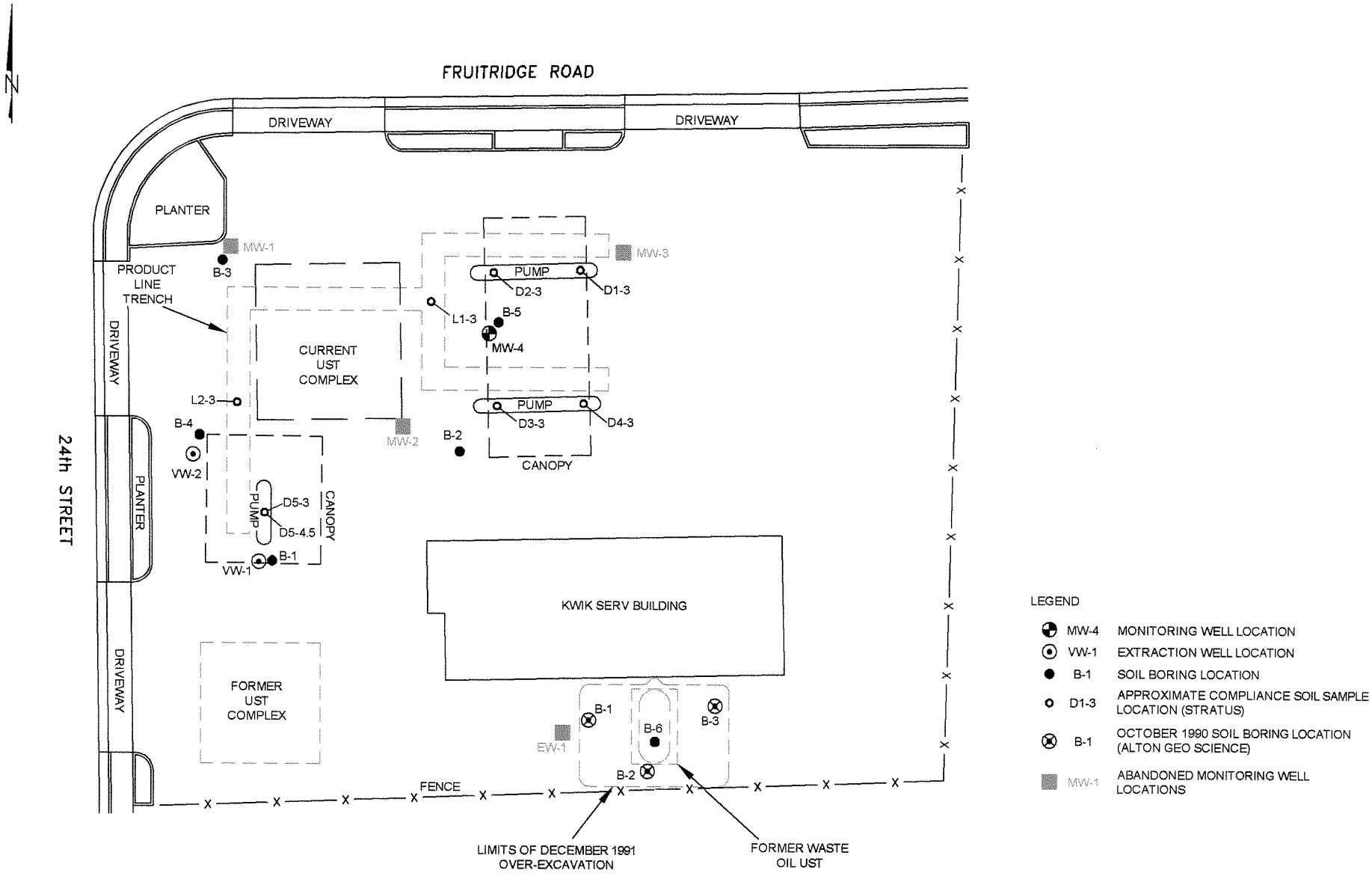
KWIK SERV
2400 FRUITRIDGE ROAD
SACRAMENTO, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

PROJECT NO.
2029-2400-01



NOTE: LOCATIONS OF ALL FORMER SITE FEATURES ARE APPROXIMATE

STRATUS ENVIRONMENTAL, INC.

0 30 FT

SCALE

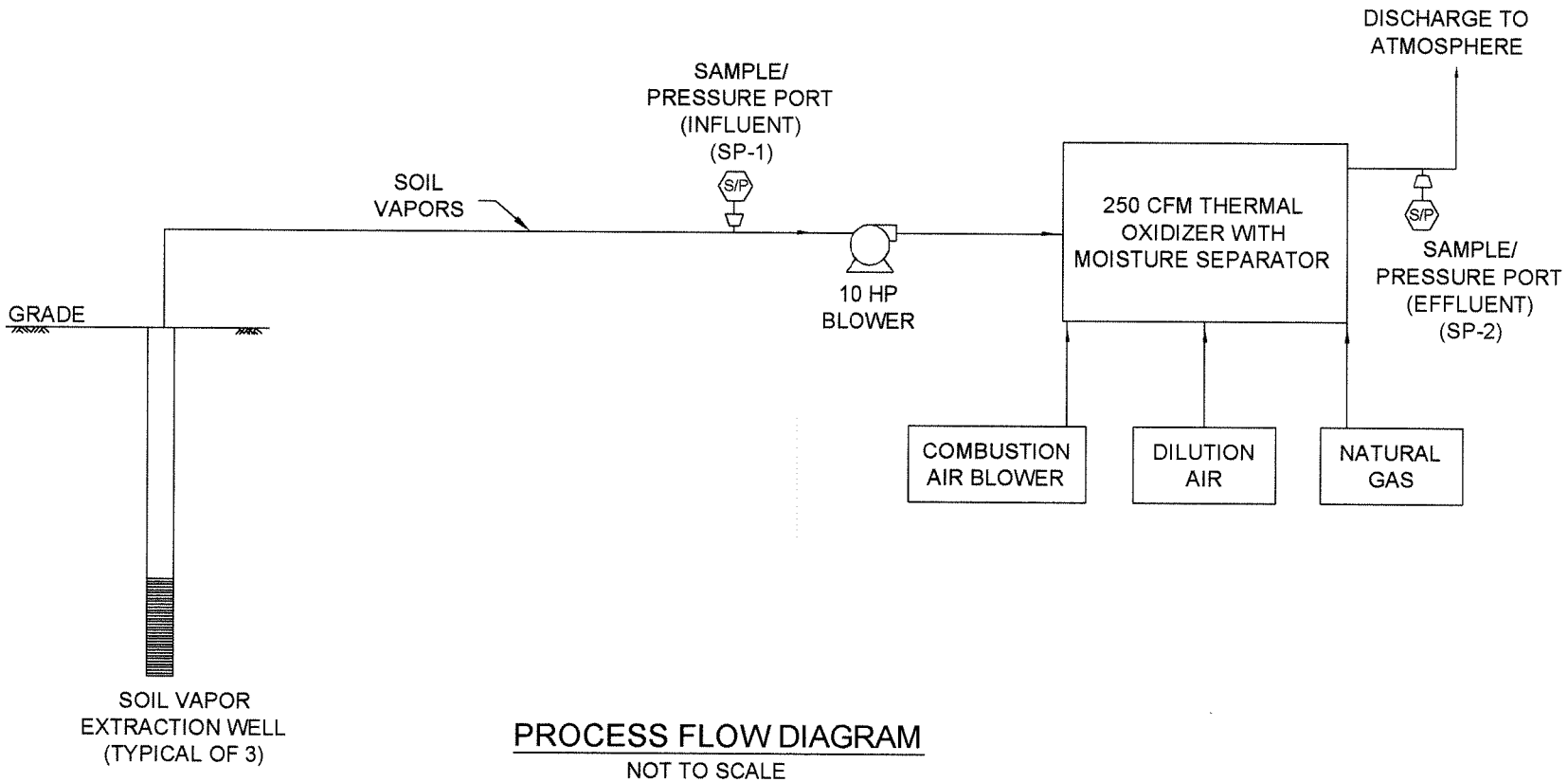
KWIK SERV
2400 FRUITRIDGE ROAD
SACRAEMNTO, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
2029-2400-01

JMP Feb 10, 2006 Kwik Serv Siteplan.dwg
REV
Kwik Serv



PROCESS FLOW DIAGRAM

NOT TO SCALE

Process Flow.dwg Feb 10, 2006 REV JMP USA\127\RAP

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KWIK SERV
2400 FRUITRIDGE ROAD
SACRAMENTO, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE
3

PROJECT NO.
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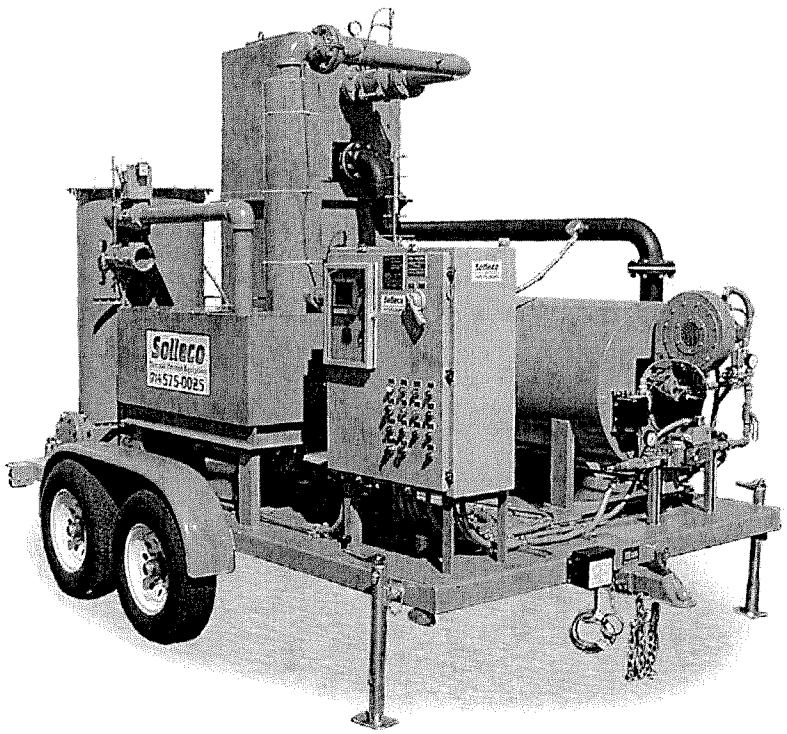
APPENDIX A

MANUFACTURER'S LITERATURE

Solleco 250 THERMAL CATALYTIC OXIDIZER

Standard Features

- Skid mounted system (84" x 120")
- 125 gallon entrained liquid separator
- Positive displacement blower
- 250 CFM and up to 14" Hg.
- Blower re-circulation valve
- 10 HP TEFC motor – 3 Phase
- A-36 steel oxidizer body with ceramic lining
- Excess air burner package
- NEMA 4 – NFPA Fuel train
- NEMA 4 electrical enclosure
- Digital temperature controller
- Digital dilution controller
- Digital high limit controller
- 2 Pen chart recorder
- DP Transmitter with pitot tube
- Analog hour meter



Standard Options

1. Double axle trailer with jack stands
2. Stainless steel auto drain pump
3. Soundproof enclosure with fan
4. Four Point chart recorder
5. Six Point chart recorder
6. Auto dialer telemetry system
7. Wireless telemetry capability
8. 50% efficient heat exchanger
9. Platinum coated monolithic catalyst cell
10. System CSA certification
11. SCAQMD certified permit
12. 208/230 Volt – 1 Phase – 100 Amp

Utility Requirements

208/230 Volt – 3 Phase – 100 Amps

500 scfh - 5 psi – LPG or Natural Gas

SOLLECO INC.
1270 NORTH RED GUM
ANAHEIM, CA 92806
(714) 575-0025 • FAX (714) 575-0026 • www.solleco.com

250 TCAT THERMAL / CATALYTIC OXIDIZER
TECHNICAL SPECIFICATIONS

Oxidizer Specifications:

Chamber Length	10 feet
Chamber Retention Time	1 second
Stack Exit Velocity	10 feet / second
Throat Velocity	40 feet / second
Stack Discharge Height	13 feet
Skid Dimensions	7 feet wide / 10 feet long
Trailer Dimensions	9 feet wide / 12 feet long
Chamber Dimensions	30" round outside - 20" round inside
Chamber Internal Lining	Ceramic Fiber
Chamber Mixing Throat Diameter	10" Round
Burner Size	500,000 btu/hr. (Maximum)
Destruction Efficiency	98% +
Maximum VOC Influent (Thermal)	12,000 ppmv (BTEX / MTBE)
Operating Temperature (Thermal)	1400° F to 1650° F
Maximum VOC Influent (Catalytic)	3,500 ppmv (BTEX - MTBE)
Operating Temperature (Catalytic)	600° F to 1200° F
Normal VOC Effluent	< 50 ppmv

Blower Specifications:

Blower Type	Roots URAI 56
Volumetric Flow	250 CFM maximum
Vacuum Level	Up to 14" Mercury
Motor Type	10 HP TEFC
RPM	1500 (average)

Catalyst Specifications:

Catalyst Type	Platinum Coated Metal Monolithic
Catalyst Size	19.5" O.D. x 3.5" Height
Catalyst Volume	.60 ft^3
Destruction Efficiency	98% +
Maximum VOC Influent	3500 ppmv (BTEX / MTBE)
Normal VOC Effluent	<50 ppmv

Utility Specifications:

Supplemental Fuel	Natural Gas or Propane
Fuel Pressure	2 to 5 psi (Maximum)
Fuel Volume	500 scfh (Maximum)
Electrical Requirements	208/230 Volt – 3 Phase - 100 Amps
	208/230 Volt – 1 Phase – 100 Amps (Option)